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DATA DECISION CLK RECOVERY 402 PEC SGNL DETECTION

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FIG. 5

BIT Xn Xn+1	PHASE TRANSITION
1 1	$-3\pi/4$
0 1	3π/4
0 0	π/4
1 0	-π/4

FIG. 6

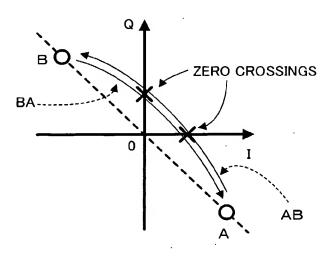


FIG. 7

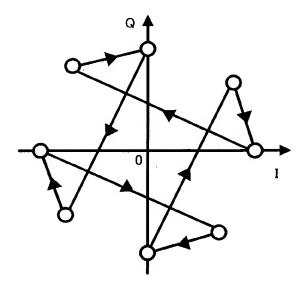
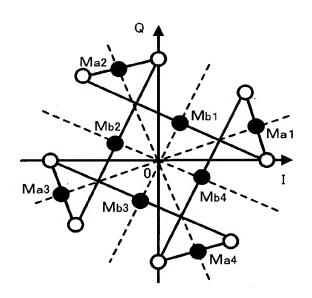


FIG. 8



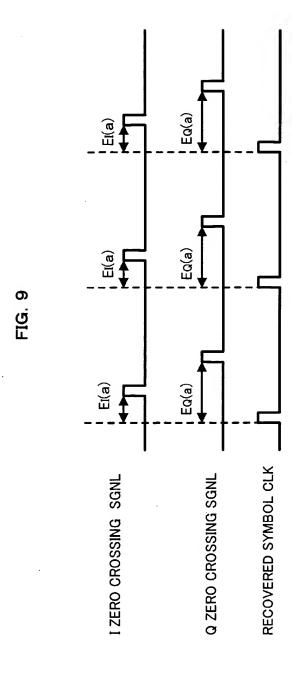


FIG. 10

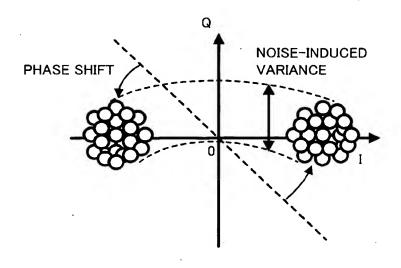
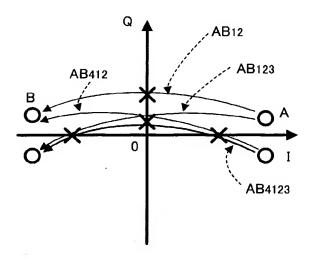
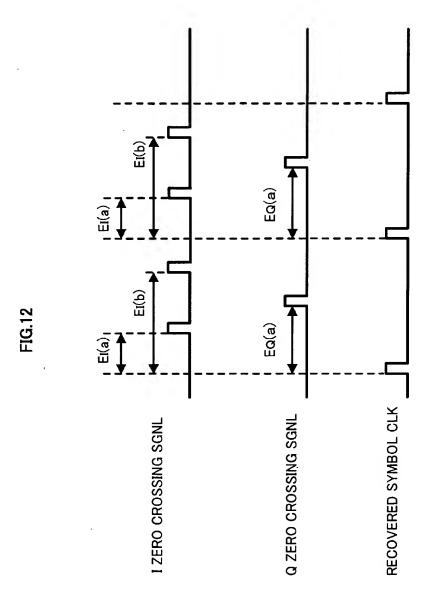
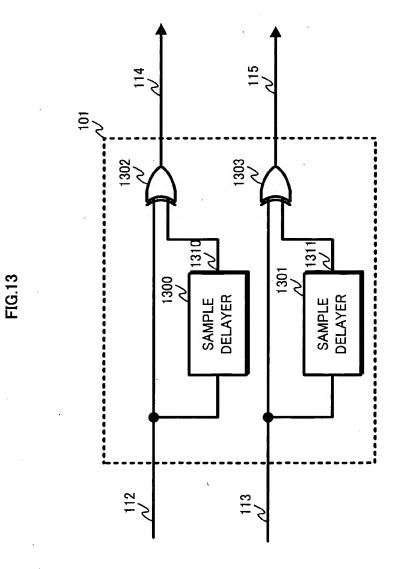
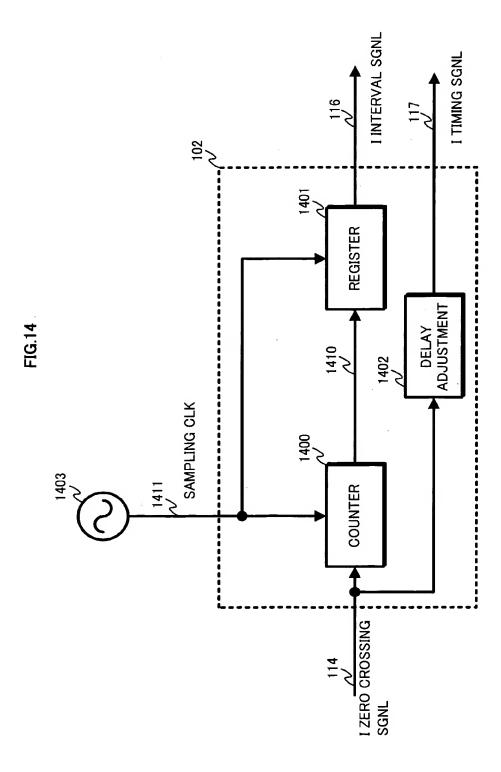


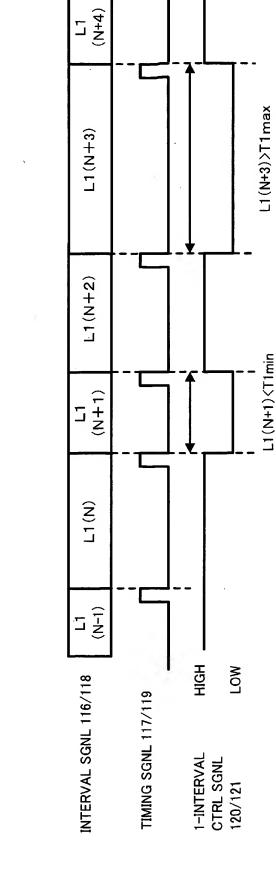
FIG. 11











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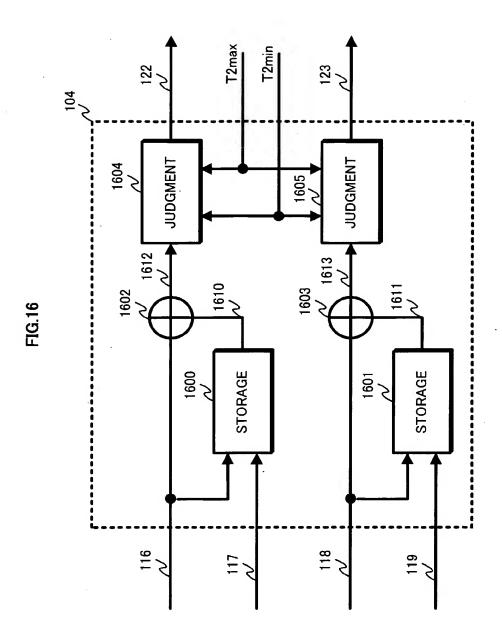
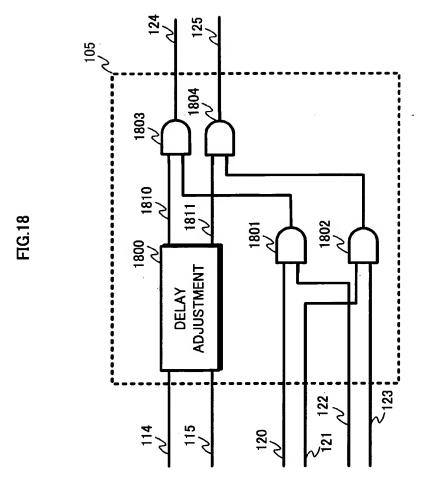
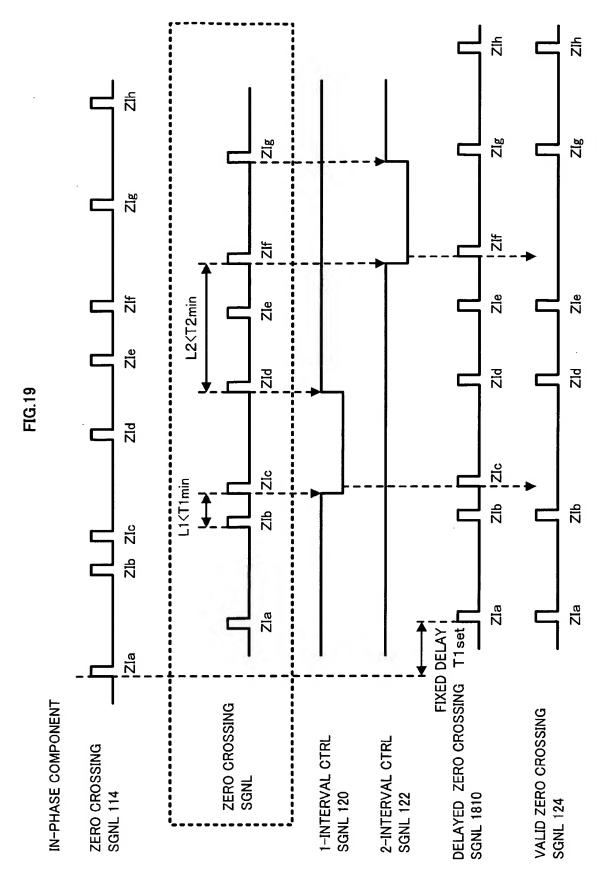
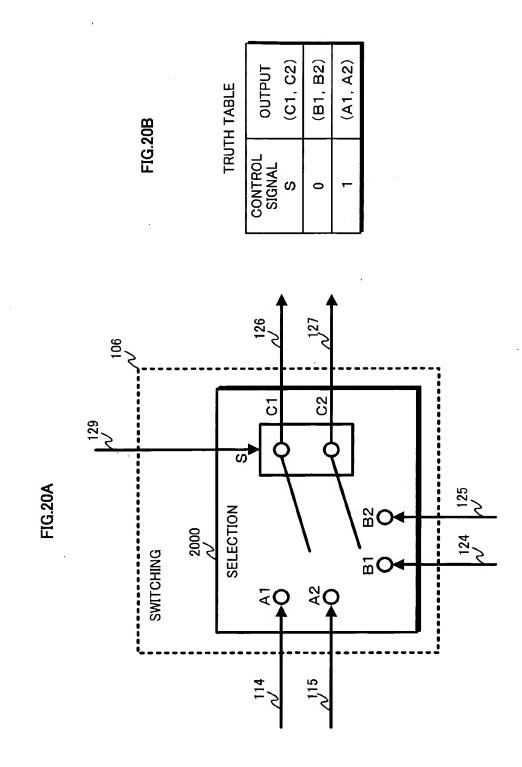


FIG.17

	لے				_			
L11(N+3)		L11(N+2)		L11(N+3)	L11(N+2)			
L11(N+2)		L1I(N+1)		L11(N+2)	L11(N+1)			
L11(N+1)		L11(N)	٠	L1I(N+1) +	L1I(N)			·
L11(N)		L11(N-1)		L11(N)	L11(N-1)			
L11(N-1)		L11(N-2)		L1I(N-1) +	L11(N-2)			
L1I(N-2)		L11(N-3)		L11(N-2)	L11(N-3)			
INTERVAL SGNL 116	TIMING SGNL 117	DELAYED INTERVAL SGNL 1610		2-INTERVAL	SGNL 1612			Z-INTERVAL GTRL SGNL 122
	L11(N-2) L11(N-1) L11(N) L11(N+1) L11(N+2)	L1I(N-2) L1I(N-1) L1I(N) L1I(N+2)		L1I(N-2) L1I(N-1) L1I(N+1) L1I(N+2) L1I(N+1) L1I(N+1) <td< td=""><td> Carl Carl </td><td> Company Comp</td><td>GNL 116</td><td>GNL 116</td></td<>	Carl Carl	Company Comp	GNL 116	GNL 116







PEC

110
UW
DETECTION
TERMINATION
DETECTION
TERMINATION
TERMINATION
DETECTION
TERMINATION
TERMINATION
DETECTION
TERMINATION
TERMINATION
DETECTION
TERMINATION
TERMINATION
TERMINATION
DETECTION
TERMINATION

FIG.22

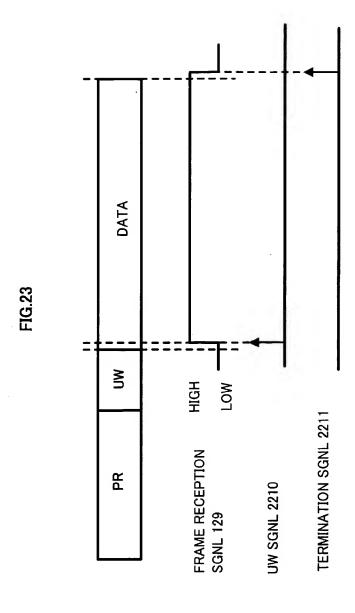
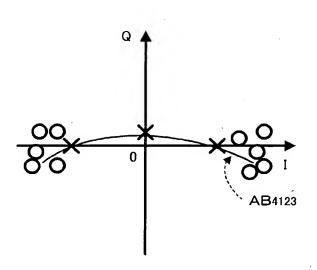
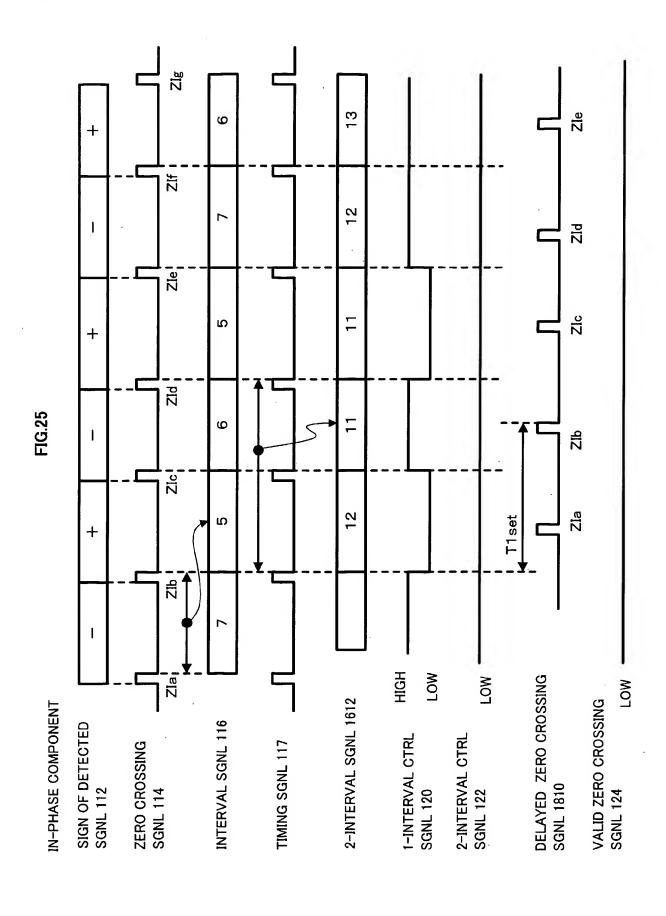
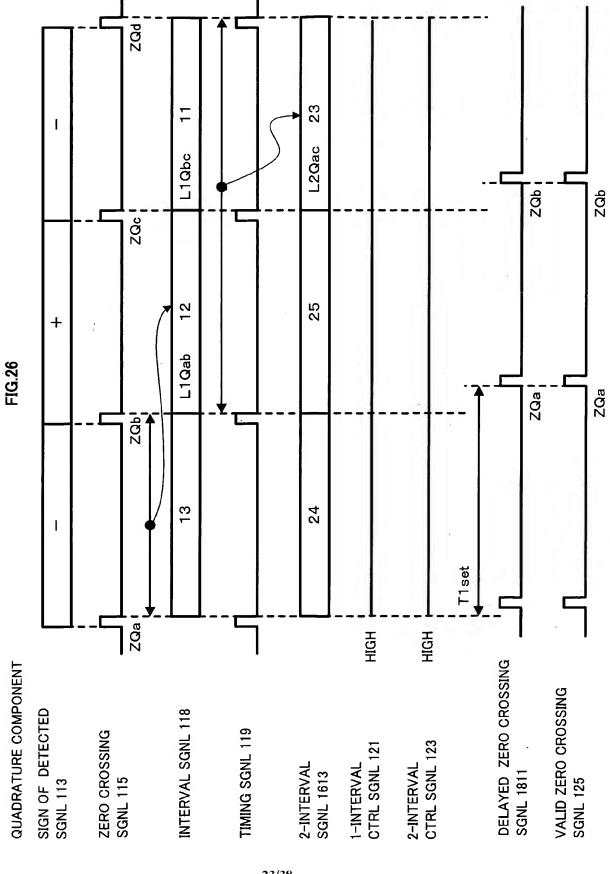
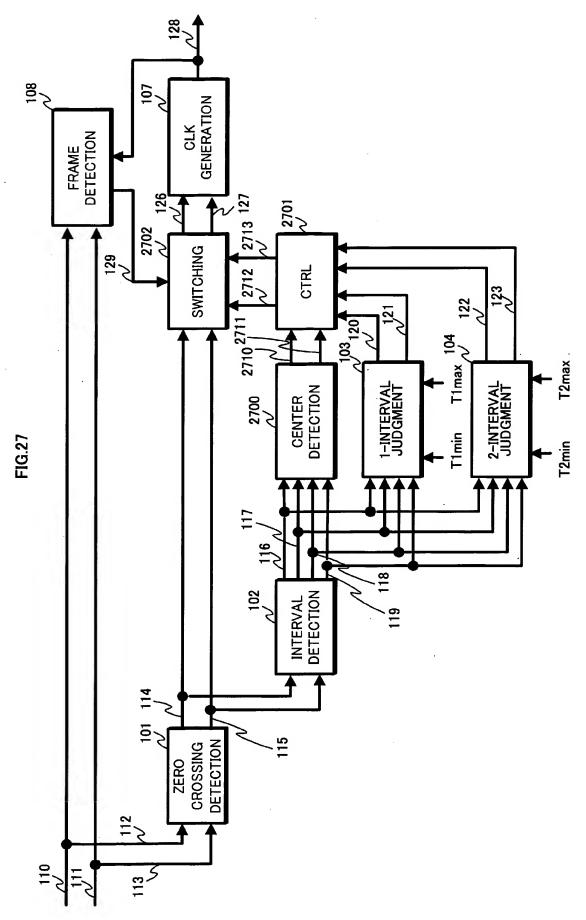


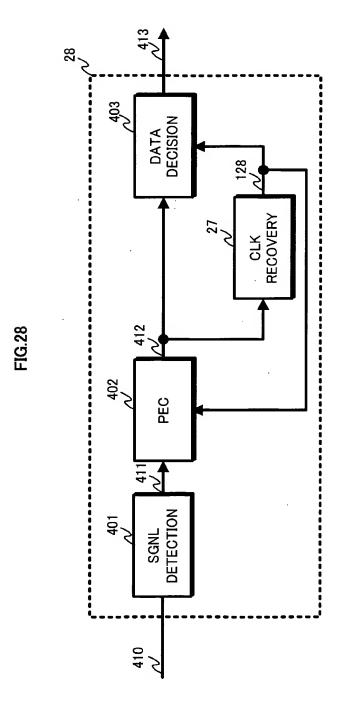
FIG.24

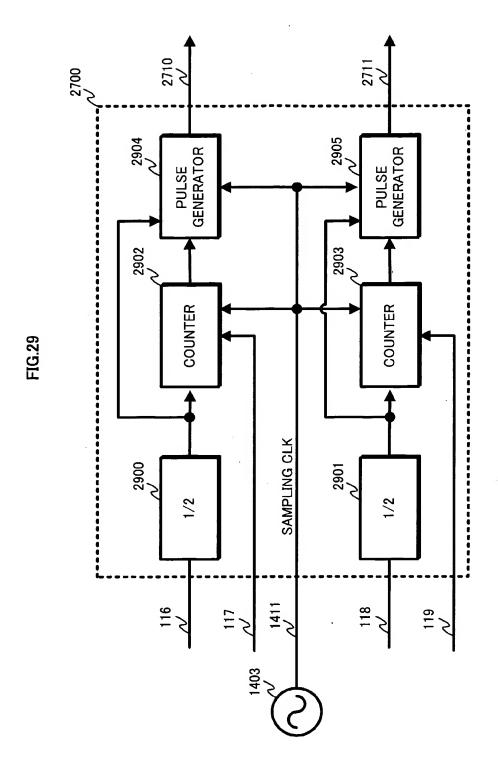


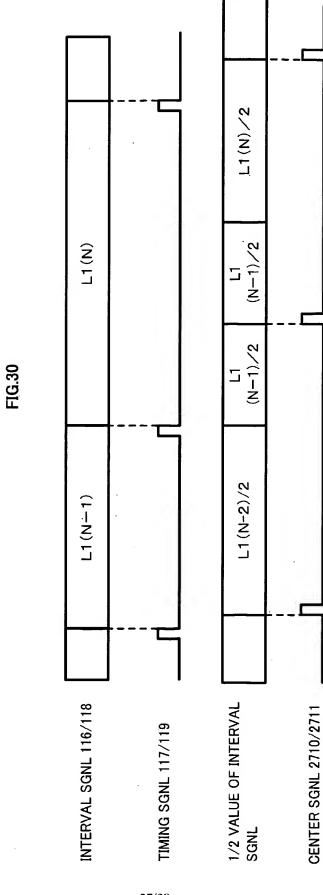


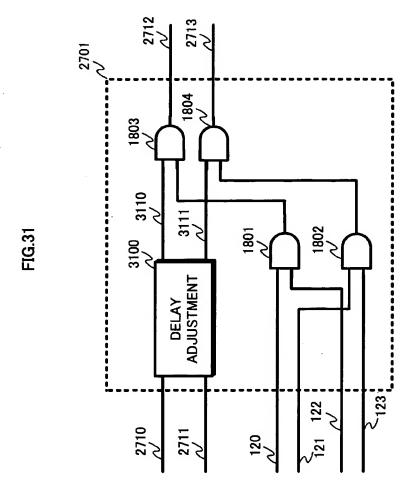












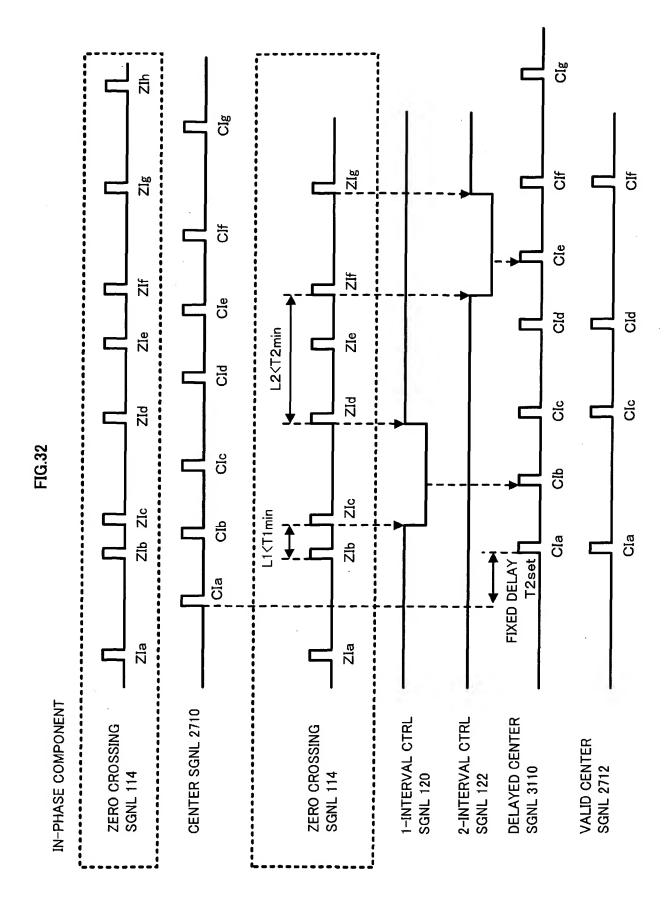


FIG.33

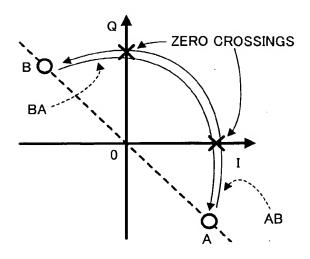
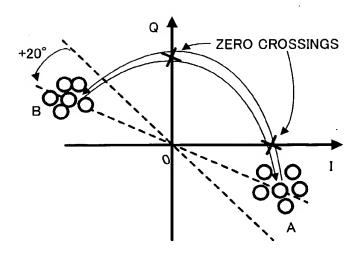
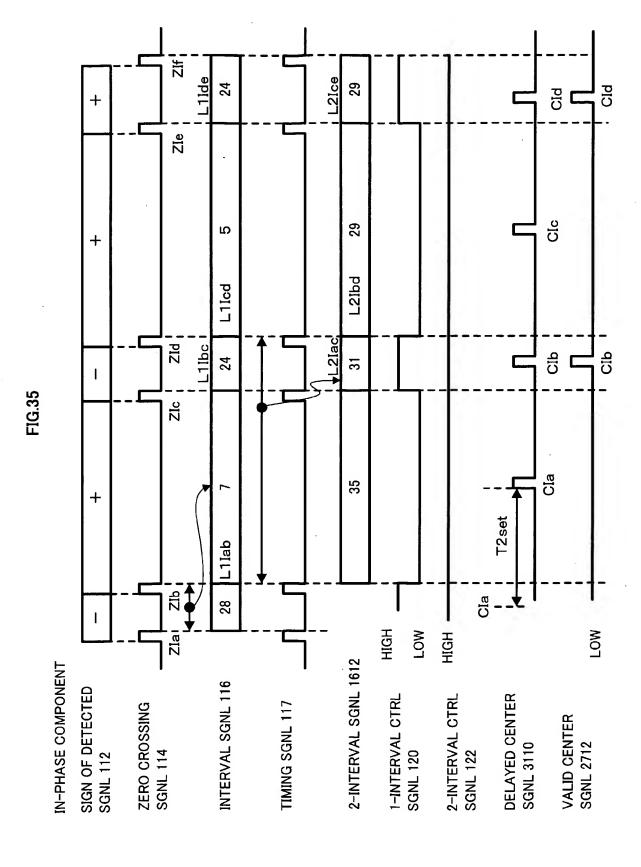
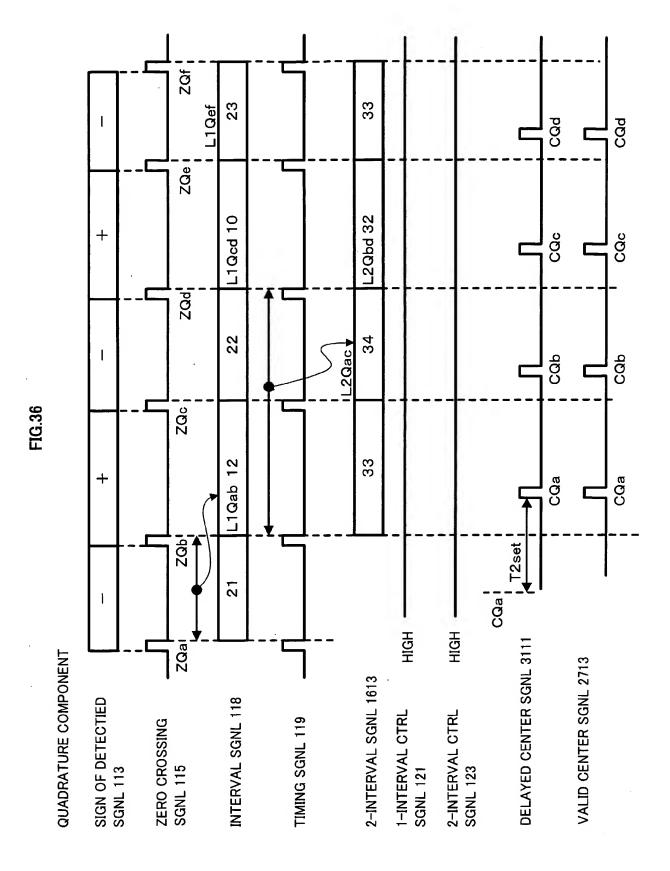


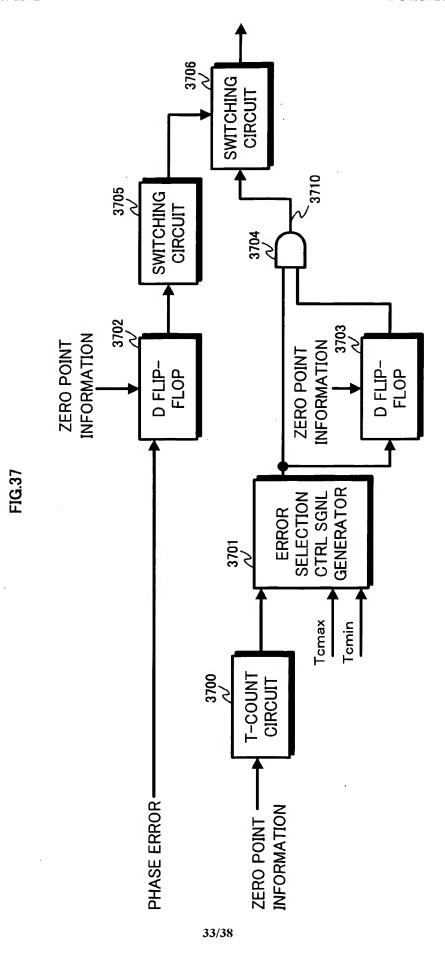
FIG.34





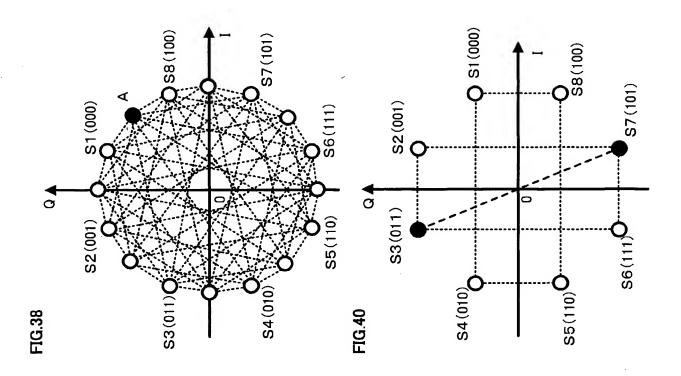


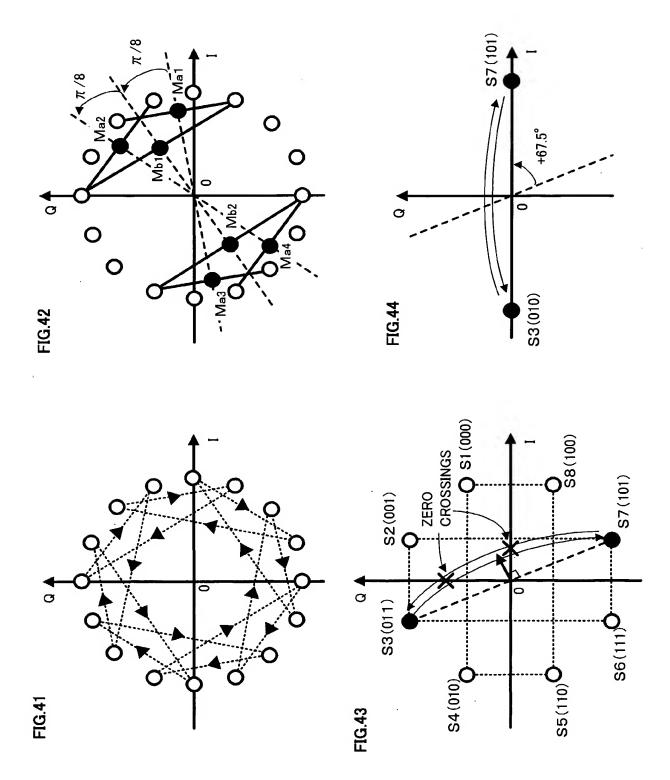
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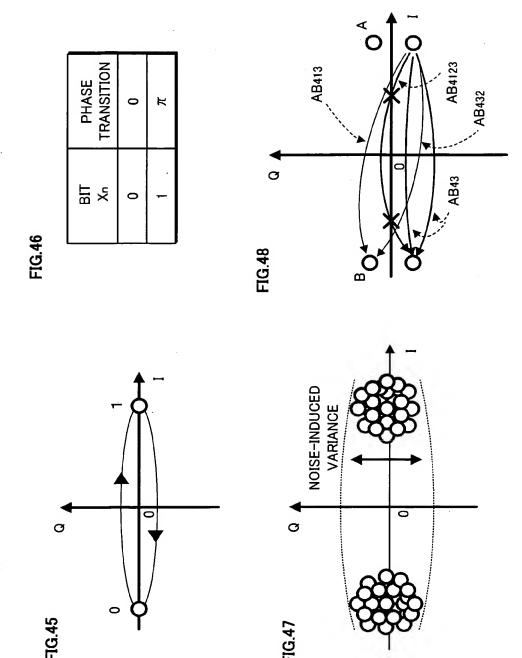


PHASE TRANSITION $-5\pi/8$ $3\pi/8$ $5\pi/8$ 7π/8 $-7 \pi / 8$ $-3\pi/8$ - π /8 $\pi/8$ BIT Xn Xn+1 Xn+2 000 0 1 0 100 0 0 1 1.01 S **S7**

FIG.39







 BIT
 PHASE

 Xn Xn+1
 TRANSITION

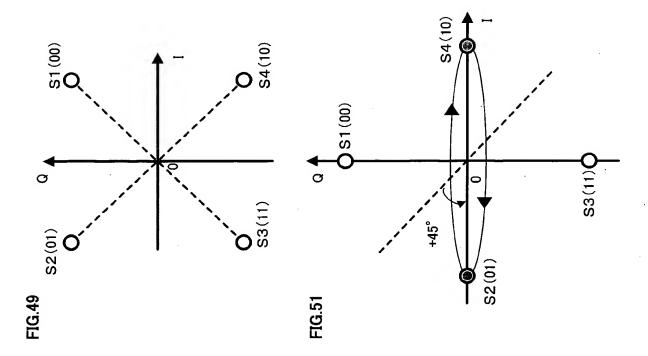
 S1
 0 0
 $\pi/4$

 S2
 0 1
 $3\pi/4$

 S3
 1 1
 $-3\pi/4$

 S4
 1 0
 $-\pi/4$

FIG.50



PHASE TRANSITION $-2\pi/4$ $2\pi/4$ $3\pi/4$ $-3\pi/4$ **4**/ μ – 0 Xn Xn+1 Xn+2 000 100 0 0 1 101 BIT **S**2 \$2 83 **S4** S6 88 S **S7**

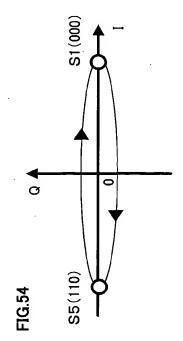


FIG.53

